No.



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Mest Bred, THC

There has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLAINT. THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE THEFETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY THAT SEED THE PAYMENT OF THE REQUIRED FEES AND PERIODIC TEPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE HAT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR TING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE URPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT SET THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Jedd'

In Testimony Thereof, I have hereunto set my hand and caused the seal of the Hant Mariety Protection Office to be affixed at the City of Washington, D.C. this sixteenth day of May, in the year two thousand and eight.

Attest:

QC-3

Commissioner Plant Variety Protection Office Agricultural Marketing Scrvice money - dehates

REPRODUCE LOCALLY, include form number and da	te on all reproductions				Form Approved - OMB No. 0581-0055	
U.S. DEPARTMENT OF AGRICULTURAL MARK	KETING SERVICE	The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.				
SCIENCE AND TECHNOLOGY - PLANT APPLICATION FOR PLANT VARIETY (Instructions and information collectio.	Y PROTECTION CERTIFICATE	Application is (7 U.S.C. 242	required in order to determine if a p 1). Information is held confidential t	lant variety protec until certificate is is	tion certificate is to be issued ssued (7 U.S.C. 2426).	
1. NAME OF OWNER WestBred, LLC	****	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NA BZ9M03-1044			VARIETY NAME Jedd	
4. ADDRESS (Street and No., or R.F.D. No., City, S	State, and ZIP Code, and Country)	5. TELEPHO	NE (include area code)	<u> </u>	FOR OFFICIAL USE ONLY	
WestBred, LLC			37-1218	PV	PO NUMBER	
81 Timberline Drive			de area code)	#	200800169	
Bozeman, MT 59718			6-8247	1_	ING DATE	
7. IF THE OWNER NAMED IS NOT A "PERSON", OF FORM OF ORGANIZATION (corporation, partnership	8. IF INCORPORATED, GIVE STATE OF INCORPORATION	9. DATE OF I	NCORPORATION			
• •	Limited Liability Corporation Arizona			H	1ARCH 20, 2008	
10. NAME AND ADDRESS OF OWNER REPRESEN	NTATIVE(S) TO SERVE IN THIS APPLICATI	ION. (First persor	n listed will receive all papers)	F E		
Dr. Dale R. Clark				S	DATE 2/20/08	
WestBred, LLC				E C E	CERTIFICATION FEE:	
81 Timberline Drive				V	s 768. =	
Bozeman, MT 59718				E	DATE 4/09 2008	
11. TELEPHONE (Include area code) 406-587-1218	12. FAX (Include area code) 406-586-8247		13. E-MAIL dclark@westbred	.com		
14. CROP KIND (Common Name)	16. FAMILY NAME (Botanical)		18. DOES THE VARIETY CONT		GENES? (OPTIONAL)	
Common Wheat 15. GENUS AND SPECIES NAME OF CROP	Poaceae		YES NO	ICNED LISDA-ADI	HIS REFERENCE NUMBER FOR THE	
Triticum aestivum	17. IS THE VARIETY A FIRST GENERATION OF THE VARIETY AND THE VARIETY A FIRST GENERATION OF THE VARIETY A FIRST GENERATION OF THE VARIETY AND THE VARIETY AS THE VARIETY	ON HYBRID?	APPROVED PETITION TO DERI	EGULATE THE G	ENETICALLY MODIFIED PLANT FOR	
19. CHECK APPROPRIATE BOX FOR EACH ATTAG (Follow instructions on reverse) a Exhibit A. Origin and Breeding History of Exhibit B. Statement of Distinctness c. Exhibit C. Objective Description of Varie d Exhibit D. Additional Description of the Veriet Exhibit D. Additional Description of the Veriet Exhibit E. Statement of the Basis of the Veriet Exhibit F. Declaration Regarding Deposition of Voucher Sample (3,000 viable untreated that tissue culture will be deposited and in the Veriet Veriety Protection of the Veriety Protection of	ty /ariety (Optional) Owner's Ownership t seeds or, for tuber propagated varieties, ven maintained in an approved public repository)	ification	OF CERTIFIED SEED? (Se YES (If "yes", answere NO (if "no", go to ite UNDECIDED 21. DOES THE OWNER SPECIF NUMBER OF CLASSES? YES NO IF YES, WHICH CLASSES? 22. DOES THE OWNER SPECIF NUMBER OF GENERATION: YES NO IF YES, SPECIFY THE NUMI	e Section 63(a) or items 21 and 22 am 23) TY THAT SEED O FOUNDATION THAT SEED O S? BER 1,2,3, etc. F EGISTERED	FTHIS VARIETY BE LIMITED AS TO ON D REGISTERED D CERTIFIED FTHIS VARIETY BE LIMITED AS TO	
23. HAS THE VARIETY (INCLUDING ANY HARVEST FROM THIS VARIETY BEEN SOLD, DISPOSED OTHER COUNTRIES? YES NO IF YES, YOU MUST PROVIDE THE DATE OF FILE FOR EACH COUNTRY AND THE CIRCUMSTAN	OF, TRANSFERRED, OR USED IN THE U. RST SALE, DISPOSITION, TRANSFER, OR CES. (Please use space indicated on revers	S. OR R USE	YES NO IF YES, PLEASE GIVE COUN REFERENCE NUMBER. (PIG	' RIGHT (PLANT I ITRY, DATE OF F lase use space inc	BREEDER'S RIGHT OR PATENTY? FILING OR ISSUANCE AND ASSIGNED dicated on reverse.)	
 The owners declare that a viable sample of basic for a tuber propagated variety a tissue culture will 	seed of the variety has been furnished with a be deposited in a public repository and mai	application and w intained for the d	ill be replenished upon request in a uration of the certificate.	ccordance with su	ich regulations as may be applicable, or	
The undersigned owner(s) is(are) the owner of this entitled to protection under the provisions of Section 42	s sexually reproduced or tuber propagated pl of the Plant Variety Protection Act.	iant variety, and l	believe(s) that the variety is new, di	stinct, uniform, an	d stable as required in Section 42, and is	
Owner(s) is (are) informed that false representation	n herein can jeopardize protection and resul	It in penalties.				
SIGNATURE OF OWNER WALL AN	West Brid, LLC	SIGNAT	URE OF OWNER			
NAUE (Please print or type) Dale R. Clark	J	NAME (Please print or type)			
Director of Research	March 17, 2008	,	TY OR TITLE	DATE		
	· · · · · · · · · · · · · · · · · · ·					

(See reverse for instructions and information collection burden statement)

GENERAL INSTRUCTIONS: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E, F; (3) for a tuber reproduced variety, verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; and (4) payment by credit card or check drawn on a U.S. bank for \$4,382 (\$518 filing fee and \$3,864 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). NEW: With the application for a seed reproduced variety or by direct deposit soon after filing, the applicant must provide at least 3,000 viable untreated seeds of the variety per se, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to reproduce the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant as un-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

General E-mail: PVPOmail@usda.gov

Homepage: http://www.ams.usda.gov/science/pvpo/PVPindex.htm

SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and **provide evidence** that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, **Seed Regulatory and Testing Branch**, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870. http://www.ams.usda.gov/lsg/seed.htm.

ITEM

19a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication:
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach replicated statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

United States - April 2007

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

US Pat. No's 5,369,022; 6,211,438; 6,211,439; 6,211,100; 6,33,184; & application No. 08/474,832

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

Jedd Hard Red Spring Wheat

19.a. Exhibit A. Origin and Breeding History

Jedd was selected by WestBred, LLC as a BC3F3 row in 2003 from the cross 'BZ9M01-1015 *4/Teal 11-a'. The final cross was made in the growth chamber in September, 2002. BZ9M01-1015 is a selection from the cross 'Hank//WestBred 926 *2/ SWP 965-001. SWP 965-001 was developed by the Saskatchewan Wheat Pool and is the result of backcrossing the variety Grandin to the line SF-4. SF-4 was selected as a line that carried the gene, Als 1 (on chromosome 6D), which conveys resistance to the herbicide imidazolinone. This selection resulted directly from an induced mutation in the French variety "Fidel". This herbicide will suppress wheat and other grassy plants that do not carry a gene for resistance. Teal 11-a carries the gene, Als 2 (on chromosome 6B), which also conveys resistance to imidazolinone. This was an induced mutant in the Canadian variety, CDC Teal. Together, the two genes convey a good tolerance to the herbicide over a wide range of environments.

Seed from the F3 row selections were analyzed for bread wheat quality traits, i.e., % protein, test weight, and Sodium Dodecyl Sulfate (SDS) Sedimentation (an indicator of gluten strength). One such row with quality was given the experimental number, BZ9M03-1044. Seed of this selection was planted near Yuma, Arizona in the fall of 2003. Seed was also planted in WestBred's yield trial plots in Walla Walla, and Moses Lake, Washington and Bozeman, MT in the spring of 2004. F5 seed was harvested from the Yuma plot in late April, 2004 and planted in four 40 ft plots near Bozeman in May, 2004. Yield trial plots were observed for tolerance to stripe rust and Hessian fly infestations, and grain from the yield trials was again analyzed for bread wheat quality traits. BZ9M03-1044 was observed to be tolerant to the current races of stripe rust and biotypes of Hessian fly found in the Pacific Northwest. Grain quality characteristics were similar to the quality check varieties. Jedd was tested in WestBred, LLC's trials in 2005 through 2007 F6-F8, and in the Washington extension trials (Table 1.) and Montana State University trials (Table 2.) from 2005-2007. Grain quality of Jedd is presented in Tables 3 and 4.

Seed harvested from the 2004 Bozeman plots was planted on about one-quarter acre near Brawley, CA in the fall of 2004. Seed was harvested in late April of 2005 and designated 'Breeder' seed. The Breeder seed was planted on approximately 26 acres near Bozeman, MT in May, 2005. At this time the variety was given the name 'Jedd' ('J' is the 10th letter of the alphabet, 'd' is the 4th letter, add the vowel 'e', and 10 4 4 becomes 'Jedd'). Foundation and Registered seed was harvested from



Jedd

Hard Red Spring Wheat

this field. Registered seed was planted in the spring of 2006 to produce Certified seed. The first unencumbered sale of Jedd occurred in April 2007.

A variant that is similar to "Jedd", but has a tan (or reddish chaff color) occurs at a frequency of up to .10% (10 per 10,000 plants). Also, a white seed variant may occur at a frequency of up to .18% (18 seeds per 10,000). Otherwise, "Jedd" is uniform and stable in appearance and performance across several generations (F4 – F8) and environments.

19.b. Exhibit B. Statement of Distinctness

Jedd is most similar to the variety Hank. However, Jedd carries two genes for resistance to the herbicide imidazolinone (Als 1 and Als 2) and Hank does not. Also, the glumes of Jedd have elevated shoulders and those of Hank have rounded shoulders. The above comparisons, along with a complete Objective Description (Exhibit C) show Jedd to be a novel variety of hard red spring wheat.

Table 1. Mean of yield and other agronomic characteristics of Jedd compared to check varieties in Washington State University Extension Trials in 2006-2007 (32 locations).

Variety	Test Weight	% Protein	Yield (bu/ac)
Jedd	60.4	14.5	53.0
Hank	58.4	14.9	56.0
Tara 2002	59.4	14.8	56.1
Jerome	59.5	14.2	53.5

Table 2. Yield and other Agronomic traits of Jedd compared to check varieties in Montana State University Yield Trials from 2005-2007.

Variety	Yield bu/ac 2005-2007		TW lbs/bu	Protein %	Heading Date	Plant Ht.	
	Irrigated	Dryland	All Locations	2005-2007	2005-2007	2005-2007	2005-2007
location-years	11	18	29	29	29	29	29
JEDD	68.6	48.3	56.0	60.1	13.9	172	28
MCNEAL	59.6	44.9	50.4	57.9	14.3	175	33
REEDER	69.8	47.9	56.2	59.9	14.5	173	33
HANK	70.2	47.5	56.1	57.1	14.2	172	31
CHOTEAU	65.7	46.7	53.9	59.3	14.3	174	31



Jedd Hard Red Spring Wheat

Table 3. 2005 Advanced Spring Wheat Yield Trial Mill & Bake - Montana State University Location: Means Across Locations (Bozeman, Havre, Sidney dryland, Moccasin) Flour Analysis Mixograph Analysis Bake Analysis Crumb Crain Score Pedigree JEDD 14.4 89.5 67.0 13.4 1.75 74.2 1171 3.8 MCNEAL 15.0 90.6 65.1 13.7 1220 0.44 1.82 6.0 6.2 64.9 10.0 77.0 3.3 Reeder 14.6 80.1 67.0 13.8 0.39 1.64 3.5 3.3 61.6 4.1 71.7 1119 3.5 HANK 14.1 71.2 66.7 1178 13.3 0.43 1.80 4.8 6.2 63.3 9.5 74.7 3.5 CHOTEAU 13.7 74.3 67.0 13.0 0.37 1.60 4.5 3.6 63.2 1155 3.8 5.6 73.2

Table 4. 2006 A Location: Mea										у			
		Flour	Analysis			Mixogra	ph Analy	/sis Ba	ake Analy	sis			
Pedigree	Single Kernel Har	Flour Programmes	alth of Calor	Clour As	Milesi As	Mixo Toler	Mixino Tine	Bake Absorbit	Bate Wall	Nin Nin	Cost voi		dore
JEDD	14.7	90.1	66.3	13.2	0.49	1.67	4.50	4.98	64.13	8.00	74.70	1151	3.75
MCNEAL	15.1	92.4	64.0	13.3	0.49	1.75	5.75	6.08	64.40	9.53	76.35	1208	4.00
Reeder	14.8	80.7	65.3	13.2	0.42	1.59	3.50	3.80	62.95	5.05	73.03	1148	3.50
HANK	14.8	73.9	66.5	13.7	0.46	1.68	4.25	6.70	64.15	9.68	74.60	1174	3.75
CHOTEAU	15.0	74.8	65.8	13.6	0.42	1.60	3.75	3.80	63.83	5.18	73.15	1191	3.50

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To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

Exhibit C

	OBJECTIVE DESCR	RIPTION OF VAI ticum spp.)	RIETY
NAME OF APPLICANT (S) West Bred, LLC	TEMPORARY OR EXPERIMENT	AL DESIGNATION	VARIETY NAME Jedd
ADDRESS (Street and No. or RD No., City, State, Zip Code at 81 Timber line Drive Bozeman, MT 597			FOR OFFICIAL USE ONLY PVPO NUMBER # 2 0 0 8 0 0 1 6 9
PLEASE READ ALL INSTRUCTIONS CAREFU	LLY:		
when number is either 99 or less or 9 or less resp should be determined from varieties entered in the	ectively. Data for quantitative pl e same trial. Royal Horticultural	ant characters should be Society or any recognize	ce a zero in the first box (e.g., 0 9 9 9 or 0 9) e based on a minimum of 100 plants. Comparative data ed color standard may be used to determine plant colors; or your variety; lack of response may delay progress of
1. KIND: 1 = Common 2 = Durum 3 = Club 4 = Other (Specify)		2. VERNALIZATION: 1 = Spring 2 = Winte 3 = Other	g
3. COLEOPTILE ANTHOCYANIN: 1 = Absent 2 = Prese	ent	4. JUVENILE PLANT 1 = Pro	
5. PLANT COLOR: (boot stage)		6. FLAG LEAF: (boot	stage)
1 = Yellow-Green 2 = Green 3 = Blue-Green		1 = Erect 1 = Not Tv 2 1 = Wax A	wisted 2 = Twisted
7. EAR EMERGENCE: O 5 O Number of Days (Average) Number of Days Earlier Than Same As Number of Days Later Than	* Hank * Hank * *Relative to a PVPO-Approved (Commercial Variety Grou	wn in the Same Trial
8. ANTHER COLOR: 1 = Yellow 2 = Purple			

	···	
9. PLAI	NT HEIGHT: (from soil to top of head, excluding awns) cm (Average) cm Taller Than	*
	Some As	
08		*
10. STE	M:	
A.	ANTHOCYANIN	D. INTERNODE
	1 = Absent 2 = Present	1 = Hollow 2 = Semi-Solid 3 = Solid
		Number of Nodes
В. 1	WAXY BLOOM	E. PEDUNCLE
2	1 = Absent 2 = Present	1 = Erect 2 = Recurved 3 = Semi-Erect
		29 cm Length
C. 1	HAIRINESS (last internode of rachis)	F. AURICLE
2	1 = Absent 2 = Present	Anthocyanin: 1 = Absent 2 = Present
		Hair: 1 = Absent 2 = Present
11. HEA	D: (At Maturity)	
Α. [DENSITY	C. CURVATURE
2	1 = Lax 2 = Middense (Laxidense) 3 = Dense	1 = Erect 2 = Inclined 3 = Recurved
B. S	SHAPE	D. AWNEDNESS
2	1 = Tapering 2 = Strap 3 = Clavate 4 = Other (Specify)	1 = Awnless 2 = Apically Awnletted 3 = Awnletted 4 = Awned
12. GLU!	MES: (At Maturity)	
A. C	OLOR	E. BEAK WIDTH
	1 = White 2 = Tan 3 = Other (Specify)	1 = Narrow 2 = Medium 3 = Wide
B. S	HOULDER	F. GLUME LENGTH
5	1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate 7 = Other (Specify)	1 = Short (ca. 7 mm) 2 = Medium (ca. 8 mm) 3 = Long (ca. 9 mm)
C. S	HOULDER WIDTH	G. WIDTH
2	1 = Narrow 2 = Medium 3 = Wide	1 = Narrow (ca. 3 mm) 2 = Medium (ca. 3.5 mm) 3 = Wide (ca. 4 mm)
D. BI	EAK	H. PUBESCENCE
3	1 = Obtuse 2 = Acute 3 = Acuminate	1 = Not Present 2 = Present

13. SE	EED:			
Α	. SHAPE		E. COLOR	
3	1 = Ovate 2 = Oval 3 = Elliptical		1 = White 2 = Amber 3 = Red 4 = Other (Specify)	
В	CHEEK		F. TEXTURE	
1	1 = Rounded 2 = Angular		1 = Hard 2 = Soft 3 = Other (Specify)	
C.	BRUSH		G. PHENOL REACTION (See Instructions)	*
2	1 = Short 2 = Medium 3 = Long 1 = Not Collared 2 = Collared		1 = Ivory 4 = Dark Brown 2 = Fawn 5 = Black 3 = Light Brown	
D.	CREASE		H. SEED WEIGHT	
1	1 = Width 60% or less of Kernel 2 = Width 80% or less of Kernel 3 = Width Nearly as Wide as Kernel		38 g/1000 Seed (whole number only)	
1	1 = Depth 20% or less of Kernel 2 = Depth 35% or less of Kernel 3 = Depth 50% or less of Kernel		I. GERM SIZE 1 = Small 2 = Midsize 3 = Large	
4. DIS	SEASE: PLEASE INDICATE THE SPECIFIC RACE OR ST	RAIN TE	STED	
	(0 = Not Tested 1 = Susceptible		Resistant 3 = Intermediate 4 = Tolerant)	
٥	Stem Rust (Puccinia graminis f. sp. tritici)	0	Leaf Rust (Puccinia recondita f. sp. tritici)	
3	Stripe Rust (Puccinia striiformis)	0	Loose Smut (Ustilago tritici)	
0	Tan Spot (Pyrenophora tritici-repentis)	٥	Flag Smut (Urocystis agropyri)	
0	Halo Spot (Selenophoma donacis)	0	Common Bunt (Tilletia tritici or T. laevis)	
0	Septoria nodorum (Glume Blotch)	0	Dwarf Bunt (Tilletia controversa)	•
٥	Septoria avenae (Speckled Leaf Disease)	o	Kamal Bunt (Tilletia indica)	
0	Septoria tritici (Speckled Leaf Blotch)	٥	Powdery Mildew (Erysiphe graminis f. sp. tritici)	
0	Scab (Fusarium spp.)	ि	"Snow Molds"	
O	"Black Point" (Kernel Smudge)	0	Common Root Rot (Fusarium, Cochliobolus and Bipolaris spp.)	
0	Barley Yellow Dwarf Virus (BYDV)	O	Rhizoctonia Root Rot (Rhizoctonia solani)	
0	Soilborne Mosaic Virus (SBMV)	O	Black Chaff (Xanthomonas campestris pv. translucens).	
٥	Wheat Yellow (Spindle Streak) Mosaic Virus	0	Bacterial Leaf Blight (Pseudomonas syringae pv. syringae)	
0	Wheat Streak Mosaic Virus (WSMV)	0	Other (Specify)	
O	Other (Specify)	0	Other (Specify)	
0	Other (Specify)	_ 0	Other (Specify)	
0	Other (Specify)	0	Other (Specify)	
i. INSE			3 = Intermediate 4 = Tolerant)	
			IOTYPE (where needed)	
4	Hessian Fly (Mayetiola destructor)	0	Other (Specify)	
	Stem Sawfly (Cephus spp.)	0	Other (Specify)	
O	Cereal Leaf Beetle (Oulema melanopa)	0	Other (Specify)	Q

#200800169

Exhibit C (Wheat)

15. INSECT: (continued)	(0 = Not Tested	1 = Susceptible	2 = Resistant	3 = Intermediate	4 = Tolerant)
		PLEASE S	PECIFY BIOTYPE (Where Needed)	
Russian Aphid (Di	luraphis noxia)		O Other (S	Specify)	
Greenbug (Schiza	phis graminum)		Other (S	Specify)	
O Aphids			Other (S	Specify)	

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

REPRODUCE LOCALLY, include form number and edition date on all	reproductions. F	ORM APPROVED - OMB No. 0581-0055		
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to detect certificate is to be issued (7 U.S.C. 24 confidential until the certificate is issued	421). The information is held		
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION 3. VARIETY NAME OR EXPERIMENTAL NUMBER			
WestBred, LLC	BZ9M03-1044	Jedd		
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)		
81 Timberline Drive Bozeman, MT 59718	(406) 587-1218	(406) 586-8247		
	7. PVPO NUMBER			
	# 2	200800169		
8. Does the applicant own all rights to the variety? Mark an "X" in the				
9. Is the applicant (individual or company) a U.S. national or a U.S. b	ased company? If no, give name of co	ountry. YES NO		
10. Is the applicant the original owner? YES	NO If no, please answer <u>one</u>	of the following:		
a. If the original rights to variety were owned by individual(s), is (YES b. If the original rights to variety were owned by a company(ies), YES	NO If no, give name of count	ry sed company?		
11. Additional explanation on ownership (Trace ownership from origin	nal breeder to current owner. Use the re	everse for extra space if needed):		
PLEASE NOTE:				
Plant variety protection can only be afforded to the owners (not licens	sees) who meet the following criteria:			
If the rights to the variety are owned by the original breeder, that penational of a country which affords similar protection to nationals of a country which affords similar protection.	erson must be a U.S. national, national of the U.S. for the same genus and speci	of a UPOV member country, or es.		
If the rights to the variety are owned by the company which employ nationals of a UPOV member country, or owned by nationals of a c genus and species.	ved the original breeder(s), the company country which affords similar protection t	must be U.S. based, owned by onationals of the U.S. for the same		
3. If the applicant is an owner who is not the original owner, both the	original owner and the applicant must m	eet one of the above criteria.		
The original breeder/owner may be the individual or company who dir Act for definitions.	rected the final breeding. See Section 4	1(a)(2) of the Plant Variety Protection		
According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, control number. The valid OMB control number for this information collection is 0581-0055, including the time for reviewing the instructions, searching existing data sources, gathering a	The time required to complete this information collec-	tion is estimated to average 0.1 hour per response,		

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

Form Approved OMB NO 0581-0055

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According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY **PLANT VARIETY PROTECTION OFFICE** BELTSVILLE, MD 20705

EXHIBIT F DECLARATION REGAR

NAME OF OWNER (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	TEMPORARY OF EXPERIMENTAL DEGICALATION	
WestBred, LLC		TEMPORARY OR EXPERIMENTAL DESIGNATION BZ9M03-1044	
	81 Timberline Drive Bozeman, MT 59718	BZ9M03-1044	
	Bozeman, WII 39/18	VARIETY NAME	
		Jedd	
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	FOR OFFICIAL USE ONLY	
Dale R. Clark	81 Timberline Drive		
	Bozeman, MT 59718	#200800169	
		#200800169	

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

ale R. Clark

March 17, 2008